

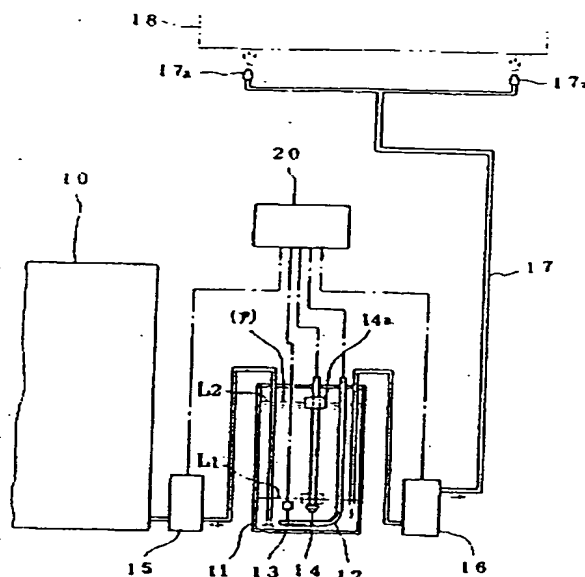
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TLE : WINDOW WASHER FOR AUTOMOBILE



STRACT : PURPOSE: To permit washer fluid to be promptly obtained of necessary quantity and temperature by small consumption of power by providing a subtank of smaller capacity than a main tank and controlling an electric heater, provided in this subtank, to be electrified by a temperature detecting switch.

CONSTITUTION: A subtank 11 is placed in a condition that it communicates with a main tank 10, and washer fluid in the subtank 11 is always maintained in a range of predetermined fluid level by starting and stopping a supply pump 15 through a control unit 20 in cooperation with upper and lower limit switches of a float 14a in a fluid level detecting switch 14. When a temperature of the washer fluid in this subtank 11 decreases not more than a predetermined value (about 60°C), a temperature detecting switch 13 operates being turned on, and a flow of electric current in an electric heater 12 under the on-condition of a heater switch heats the washer fluid in the subtank 11. The washer fluid, placed in a heated condition, is jetted from injection nozzles 17a when a delivery pump 16 is actuated.

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